

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/510,148A  
Source: IFWP  
Date Processed by STIC: 9/22/06

# ***ENTERED***

## CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/510,148A

CRF Edit Date: 9/22/06  
Edited by: hr

\_\_\_ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

\_\_\_ Corrected the SEQ ID NO. Sequence numbers edited were:

\_\_\_\_\_

\_\_\_ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

\_\_\_\_\_

✓ Deleted: ✓ invalid beginning/end-of-file text ; \_\_\_ page numbers

\_\_\_ Inserted mandatory headings/numeric identifiers, specifically:

\_\_\_\_\_

\_\_\_ Moved responses to same line as heading/numeric identifier, specifically:

\_\_\_\_\_

\_\_\_ Other:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



IFWP

## RAW SEQUENCE LISTING

DATE: 09/22/2006

PATENT APPLICATION: US/10/510,148A

TIME: 16:42:31

Input Set : N:\AMC\9308060\_1.txt

Output Set: N:\CRF4\09222006\J510148A.raw

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4 <110> APPLICANT: Ruoxing Wang et al.
6 <120> TITLE OF INVENTION: PRLZ REGULATORY ELEMENTS IN THE
7   TREATMENT OF DISEASE AND THE DISCOVERY OF THERAPEUTICS
9 <130> FILE REFERENCE: 3004588-7049312001
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/510,148A
C--> 11 <141> CURRENT FILING DATE: 2004-10-05
11 <150> PRIOR APPLICATION NUMBER: PCT/US03/10536
12 <151> PRIOR FILING DATE: 2003-04-07
14 <150> PRIOR APPLICATION NUMBER: US 60/370,557
15 <151> PRIOR FILING DATE: 2002-04-05
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19 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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198	caaaggtcaa	ggacatgggc	ttgagagatg	gtgagaagga	tggaggtgac	tgtggcttgc	10320
199	attctatccg	tatcactatt	aattaccttc	taatgccttt	ggctctaggt	ggtggaacaa	10380

## RAW SEQUENCE LISTING

DATE: 09/22/2006

PATENT APPLICATION: US/10/510,148A

TIME: 16:42:31

Input Set : N:\AMC\9308060\_1.txt

Output Set: N:\CRF4\09222006\J510148A.raw

200	gtaaagtaat	ggacaaatac	tttttctacc	aatatttagt	gaccaaatac	agagttatgg	10440
201	agagggccag	ggacctcatg	aaccatactc	tttctagtct	agggacataa	ctccaatgcc	10500
202	tttctgtgcc	cagtaagagg	ccatggattt	caagaagcca	gacaatccat	tctttcagat	10560
203	aatgataaaa	aagaaacccat	ttattttatt	tctaagtata	gaatgaaaca	tttatagttg	10620
204	cccaaatttt	ggtacctttt	aggagaaaaa	tacagatttt	tttggtgtta	aaaataaaact	10680
205	taaaaaaaaa	aaaaaaagac	ttaccatagt	ccgggcacgg	tggctcacac	ctgtaatccg	10740
206	agaacttttg	gaggccgagg	caggcggatc	acctgaggtc	aggagtttga	gaccagcctg	10800
207	gccaacatgg	cgaaacccca	tctctactaa	aaatacaaaa	attagccggg	catagtgggt	10860
208	ggtgggtgcc	tgtaatccca	gctacttggg	aggctgaggc	aggagaatca	cttgaaccca	10920
209	gaaggtggag	gttgacgtga	gctgagattg	tgccattgta	ctccagcctg	gtcacaagag	10980
210	cgaagctctg	tatcgaaaac	aaaacaaaaa	aagacctact	gtaaatagag	tacaacatga	11040
211	gactaacaaa	aataacaaat	aaaatcatcc	agcatatatt	ctgtatttaa	aaaaaaaaaa	11100
212	tcacaagatg	aatacagacc	atcttggtgc	atatgtattt	tatacactag	acacatgctg	11160
213	atgtttttta	tgcttaaaat	atattaggtt	tcatacttgc	ttccaatcca	aggagagtat	11220
214	atctgagctc	ttttttttta	gatttgaaaa	ccgcctttta	gattagatta	gaacactgcc	11280
215	tttttttttg	ttatgcagta	acagatcatt	gcccacctga	aagcgagtcg	cctttatttt	11340
216	tacctcctta	gtagaaccag	caggagctgc	aattgctggt	gcttgagcca	aggccacagt	11400
217	cagcatagaa	aggttctgct	aagagactgt	gttaaaggaa	ataaatttgg	tgacttagtt	11460
218	ttgtttttaca	agctagctgt	ggcccagtc	ttctgcaggg	tgggtacgca	ggttttattgc	11520
219	agctctgcag	agccatggcc	ttagacaaa	aaagaagggt	tgggaatacc	cgggagcttt	11580
220	ccattcaaa	tagattcttc	tcctttgagt	gcattgtaact	gaagcaccag	ctttctaaaa	11640
221	aaaaaaaaaa	aaaaaaaaag	agagagaaaa	gaaaagtcag	tctgaagttt	ttgtgacact	11700
222	cagccagact	ccacattaga	taaagtaatc	atggaaatac	agctttattt	ttataccaag	11760
223	ttgtgcttag	aaagctgatt	gctaaaccag	gaagcttgcc	tttcagaatt	ttactgtaat	11820
224	ccagggtgga	aaaaaagtat	cactcagatg	gcatttgtgg	gagattactg	actggtaatc	11880
225	cctccttgtc	ctagaagatt	aagtctgccc	tgggtgtagtc	atgggtcagct	gattttttta	11940
226	tttattttatt	ttaaataaat	tgtagtttct	tgttgtaagt	cagccagtg	ctgatgtttg	12000
230	<210> SEQ ID NO: 2						
231	<211> LENGTH: 191166						
232	<212> TYPE: DNA						
233	<213> ORGANISM: Homo sapiens						
235	<400> SEQUENCE: 2						
236	gaattcattg	agctacacac	tttacacaat	ggaatgtctg	caacaagcct	atgaggtagg	60
237	attccctaaa	ctcagagagc	ttaagtaacc	tgcccaccat	cacacagcta	ataaaatgta	120
238	aagtcacat	tcaaattcct	gtctgcctga	attaaaagct	catgattttt	ctggaattcc	180
239	tttagacttt	ataatagaaa	atgaagcata	acttctatct	tgaaacacct	gtttcttttt	240
240	tttaagacat	attaatatat	ctttaaaaaa	atgtttttta	cagagtcagg	gtcttgctct	300
241	gttgctcagt	ctggagtgtg	gtggcttgat	cgtagctcac	tgcacctca	aactcctggt	360
242	ctcaagcaac	cttccacct	cagtctccca	agcagctggg	gccatggg	catgccactg	420
243	caccagctaa	ttttaaaaaa	aaaagttatt	ttctttgcag	agacagggtc	tactatgtt	480
244	gccaggtcg	atctcaaact	gctggggctc	aagcaatcct	cctgcctcag	cctcccaaag	540
245	cattcttaat	gtccctttac	tatcattttg	tgacagaatc	tgtcccaagt	tcatcacaca	600
246	gtgctatgg	gattgatacg	ctattttgcag	ggcaaataag	agtagtagcg	gtagtagtaa	660
247	taataattca	tttcttatta	taaagcattt	ttacagtttt	aaaataattt	ttaaaacata	720
248	tatcttgatc	ttttcaggag	tcttatgact	cctgacaggc	aagtctcact	attgtttact	780
249	gttgataaga	actctgaagt	ttggcccagc	actgtggctc	acgcctataa	tcccagcact	840
250	ttgggaggct	gagatgggag	gctcacacaa	acccagggaat	tcgagaccag	ccaggacaac	900
251	atgatgagac	cccctctcct	taaaaaataa	aaaaattagc	cagccatggg	ggcacgtact	960
252	cctgggtccca	gctactcagg	agaattaggc	ggtaggatca	cttttgagcc	caggaggtca	1020

**VERIFICATION SUMMARY**

PATENT APPLICATION: **US/10/510,148A**

DATE: 09/22/2006

TIME: 16:42:32

Input Set : **N:\AMC\9308060\_1.txt**

Output Set: **N:\CRF4\09222006\J510148A.raw**

L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:3671 M:283 W: Missing Blank Line separator, <220> field identifier



**Raw Sequence Listing before editing  
(for reference only)**



IFWP

## RAW SEQUENCE LISTING

DATE: 09/20/2006

PATENT APPLICATION: US/10/510,148A

TIME: 11:13:45

Input Set : E:\9308060\_1.txt

Output Set: N:\CRF4\09202006\J510148A.raw

4 <110> APPLICANT: Ruoxing Wang et al.  
 6 <120> TITLE OF INVENTION: PRLZ REGULATORY ELEMENTS IN THE  
 7 TREATMENT OF DISEASE AND THE DISCOVERY OF THERAPEUTICS  
 9 <130> FILE REFERENCE: 3004588-7049312001  
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/510,148A  
 C--> 12 <141> CURRENT FILING DATE: 2004-10-05  
 14 <150> PRIOR APPLICATION NUMBER: US 60/370,557  
 15 <151> PRIOR FILING DATE: 2002-04-05  
 17 <160> NUMBER OF SEQ ID NOS: 19  
 19 <170> SOFTWARE: FastSEQ for Windows Version 4.0

## ERRORED SEQUENCES

3765 <210> SEQ ID NO: 19  
 3766 <211> LENGTH: 24  
 3767 <212> TYPE: DNA  
 3768 <213> ORGANISM: Artificial Sequence  
 3770 <220> FEATURE:  
 3771 <223> OTHER INFORMATION: Synthetic Primer  
 3773 <400> SEQUENCE: 19  
 3774 gagtaggtga tccgggtgga gatg  
 E--> 3775 1  
 E--> 3778 1  
 E--> 3781 dcimanage/9308060.1

Does Not Comply  
 Corrected Diskette Needed

24

VARIABLE LOCATION SUMMARY

DATE: 09/20/2006

PATENT APPLICATION: US/10/510,148A

TIME: 11:13:46

Input Set : E:\9308060\_1.txt

Output Set: N:\CRF4\09202006\J510148A.raw

Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:19; N Pos. 29

## VERIFICATION SUMMARY

DATE: 09/20/2006

PATENT APPLICATION: US/10/510,148A

TIME: 11:13:46

Input Set : E:\9308060\_1.txt

Output Set: N:\CRF4\09202006\J510148A.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:3671 M:283 W: Missing Blank Line separator, <220> field identifier  
L:3775 M:254 E: No. of Bases conflict, this line has no nucleotides.  
L:3778 M:254 E: No. of Bases conflict, this line has no nucleotides.  
L:3781 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:19  
L:3781 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:19  
L:3781 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:24  
L:3781 M:254 E: No. of Bases conflict, LENGTH:Input:1 Counted:35 SEQ:19  
L:3781 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:11  
L:3781 M:112 C: (48) String data converted to lower case,  
L:3781 M:252 E: No. of Seq. differs, <211> LENGTH:Input:24 Found:35 SEQ:19